

Zarui Muradian-Ciamician at 80 years!

Iorgu Petrescu¹

1 "Grigore Antipa" National Museum of Natural History, 1 Sos. Kiseleff, 011341 Bucharest 1, Romania

Corresponding author: Iorgu Petrescu (iorgup@antipa.ro)

Received 27 February 2019 | Accepted 1 June 2019 | Published 31 July 2019

Citation: Petrescu I (2019) Zarui Muradian-Ciamician at 80 years!. *Travaux du Muséum National d'Histoire Naturelle "Grigore Antipa"* 62(1): 161–166. <https://doi.org/10.3897/travaux.62.e38487>



Former specialist in Crustacea from „Grigore Antipa” National Museum of Natural History, Mihai Băcescu’s disciple, Zarui Muradian-Ciamician reached 80 years.

She was born on January 22, 1939, in Constanța, in an Armenian family, her parents being Harutiun and Ana Muradian.

Zarui followed the primary and high school in her hometown, between 1945 and 1955.

In 1958, she entered to the Sanitary Technical School from Constanța that she graduated in 1961. In the same year, she joined the Unified Adult Hospital from Cernavodă as a medical assistant, speciality obstetrics-gynaecology, where she worked up to spring of 1964, when she moved to the similar hospital from Constanța.

Also, in 1964, she married Aureliu Constantinescu, veterinarian, from whom she will separate in 1972.

Zarui Muradian will interrupt her activity for entering to the Faculty of Biology from Bucharest in 1965, faculty that she graduated in 1970 with diploma of merit. During the faculty she was interested in parasitology, working in the laboratory of Conf. Dr. Elena Chiriac. During that period, she participated to a scientific meeting on environment protection in Czechoslovakia. After graduation, she was assigned to high school, but this working position was occupied. So, she came to the „Grigore Antipa” Museum of Natural History of Bucharest on December 28, 1970, first as a guide, and from 1974, as a curator in the Department of Invertebrates.

In 1975, she was accepted for doctoral degree, under Academician Mihai Băcescu's keen and highly severe observation, doctoral degree that she didn't succeed to get up to the moment of her departure from the museum. The time was too short...

She had the chance to be firstly remarked by Mihai Băcescu and that's why her entire activity from the museum was dedicated to the study of Cumacea. She published together with the master 13 papers where they described six genera, 28 species and three new subspecies to sciences, in scientific journals from Romania and abroad (three papers were released in France). She published alone four papers in which she described two subgenera and four new species to sciences. Her last paper appeared in 1980 when she left the museum.

Her papers (alone or in collaboration) keep going to remain exemplary works, with an illustration that, for cumacean domain, are probably the best scientific drawings ever made for cumaceans.

She was included in the collective who drafted the manuscript for „The Romanian Illustrated fauna”, writing the chapter on Cumacea, book which remained unpublished.

Other achievement connected with the name of Zarui Muradian, that will remain over time, is the type collection (other than insects) of the „Grigore Antipa” National Museum of Natural History.

With an exemplary devotion, but also with exemplary qualities of a collection curator, with tremendous power of work, she succeeded in to cataloguing the collections of Crustacea (copepods, ostracods, cumaceans, mysidaceans, tanaidaceans, isopods), and others, molluscs, worms and fishes, between 1978 and 1980. Those who followed her, had to fully admire her work. This collection benefits, due to her work, of a first orderly, impeccable register.

In 1980, before leaving the museum and the country, she remarried Nubar Ciamician, to whom she left for the United States of America.

She hoped to get a job as a specialist in crustaceans in a museum, but without success. She continued her vocation she had in Romania, that of a medical assistant, working up to her retiring in a hospital, as a physician. In 1992 and 1994, two papers were published, in collaboration, on virology. In 1994, in „J. F. Kennedy” Airport of

U. S. A. she had the chance to briefly met several former colleagues from the museum, returned from a scientific expedition in Brazil.

She remained, for all who knew her, directly or indirectly, by the results of her work, an example of professionalism, of correctness, even if for realizing what she did she had to face also the envy and trivia of colleagues. But with perseverance, even stubbornness, she succeeded to overpass all of these problems and did what she did, the only things that really remain after each of us.

Many unfinished projects remained after her, using many of the collections of cumaceans that she studied; she didn't succeed to harness all of them, she couldn't publish all the new species that she discovered. Only the labels found inside the vials with material and her notes on her workbook remained, as witnesses of that work totally out of the ordinary. The undersigned, the one who followed her in the museum after seven years in domain of Cumacea and of type collection will remain eternally grateful.

References

Băcescu M, Muradian Z (1972a) *Cumella africana* n. sp. and *Makrokylindrus (Coalescuma) reyssi* n. sp. (Cumacea, Crustacea), from the saharian bottom of the Atlantic. *Revue Roumaine de Biologie. Série Zoologie* 17, 3: 143–151.

Băcescu M, Muradian Z (1972b) Nouvelles espèces de Nannastacidae (Crustacés Cumacés) dans les eaux sahariennes de l'Atlantique [New species of Nannastacidae (Cumacea: Crustacea) in the Saharan waters of the Atlantic]. *Revue Travaux Institut Pêches Maritime* 36 (3): 255–269. [in French]

Băcescu M, Muradian Z (1972c) Trois espèces nouvelles de *Procampylaspis* (Cumacea) des eaux de la Mauritanie (Atlantique tropical de l'est) [Three new species of *Procampylaspis* (Cumacea) of the waters of Mauritania (Eastern Tropical Atlantic)]. *Revue Roumaine de Biologie. Série Zoologie* 17(1): 3–13. [in French]

Băcescu M, Muradian Z (1973) Contribution à la connaissance des Cumacés de la Mer Rouge [Contributions to the knowledge of cumaceans of the Red Sea]. *Rapport de la Commission internationale de la Mer Méditerranée* 22(4): 83. [in French]

Băcescu M, Muradian Z (1974a) *Campylaspis*, *Styloptocuma*, *Atlantocuma*, new genera of Cumacea from the deep waters of the Atlantic. *Revue Roumaine de Biologie. Série Biologie Animale* 19(2): 71–78.

Băcescu M, Muradian Z (1974b) *Floridocuma selvakumarani* gen. nov., sp. nov. and *Bathycumella est-africana* gen. nov., sp. nov – new Nannastacidae (Cumacea) from over 2000 m depth. *Travaux Museum d'Histoire Naturelle "Grigore Antipa"* 15: 103–110.

Băcescu M, Muradian Z (1974c) New Cumacea from the north-western Atlantic: *Ceratocuma panamensis* n.sp., *Cimmerius costlowi* n.sp. and some comments upon *Petalosarsia declivis* (G.O. Sars). *Revue Roumaine Biologie. Série Biologie Animale* 19(4): 217–227.

Băcescu M, Muradian Z (1975) New Cumacea from the Red Sea. *Travaux Museum d'Histoire Naturelle "Grigore Antipa"* 16: 35–69.

Băcescu M, Muradian Z (1976) *Bathylamprops motasi*, sp.n. from the west Atlantic and some considerations on the genus. Studii și comunicări Muzeul de Științele Naturii Bacău 15–19.

Băcescu M, Muradian Z (1977a) Contribution à la connaissance des Péracaridés des eaux nord-est de Libye [Contributions to the knowledge of cumaceans of the Red Sea]. Rapport de la Commission internationale de la Mer Méditerranée 24(4): 111–112. [in French]

Băcescu M, Muradian Z (1977b) *Cubanocuma gutzui* gen. et sp. n. (Cumacea, Nannastacidae) from the tropical western Atlantic. Revue Roumaine de Biologie. Série Biologie Animale 22: 3–9.

Băcescu M, Muradian Z (1977c) Species of the genus *Cumella* (Cumacea, Nannastacidae) from the Western Tropical Atlantic. Travaux Museum d'Histoire Naturelle "Grigore Antipa" 18: 89–102.

Băcescu M, Muradian Z (1978) *Fontainella mediterranea* gen.n., sp.n., cumacé (Pseudocumidae) trouvé en Méditerranée orientale [*Fontainella mediterranea* gen.n., sp.n., cumacean (Pseudocumidae) occurred in the Eastern Mediterranean]. Revue Roumaine Biologie. Série Biologie Animale 23(1): 3–7. [in French]

Muradian Z (1976) Species belonging to the genus *Campylaspis* collected from W Atlantic. Travaux Museum d'Histoire Naturelle "Grigore Antipa" 17: 65–83.

Muradian Z (1979a) Contributions to the knowledge of genus *Cumellopsis* Calman, 1905 (Cumacea, Nannastacidae) with the description of a new species, *Cumellopsis bacescui*. Travaux Museum d'Histoire Naturelle "Grigore Antipa" 20(1): 149–156.

Muradian Z (1979b) On two new species of *Campylaspis* (Cumacea, Nannastacidae) and some comments on the criteria for the diagnosis in the genus with the establishment of two new subgenera: *Sarsia* and *Bacescua*. Revue Roumaine Biologie Série Biologie Animale 24(2): 99–105.

Muradian Z, Murariu D (1979c) Le Professeur dr. doc. Mihai Băcescu à son 70-ème anniversaire. Liste de travaux publiés par Mihai Băcescu – travaux scientifiques et travaux de vulgarisation [Professor Dr. Doc. Mihai Băcescu at his 70th anniversary. List of the papers published by Mihai Băcescu - scientific papers and of popularization]. Travaux Museum d'Histoire Naturelle "Grigore Antipa" 20(2): 596–611. [in French]

Muradian Z, Negoeșcu I (1979d) Le Professeur dr. doc. Mihai Băcescu à son 70-ème anniversaire. L'activité de carcinologue. [Professor Dr. Doc. Mihai Băcescu at his 70th anniversary. His carcinologist activity]. Travaux Museum d'Histoire Naturelle "Grigore Antipa" 20(2): 570–573. [in French]

Muradian Z, Negoeșcu I (1979e) Liste de taxa descrits par Mihai Băcescu [List of the taxa described by Mihai Băcescu]. Travaux Museum d'Histoire Naturelle "Grigore Antipa" 20(2): 614–618. [in French]

Muradian Z (1979f) Liste de taxa dédiés à Mihai Băcescu [List of the species dedicated to Mihai Băcescu]. Travaux Museum d'Histoire naturelle "Grigore Antipa" 20(2): 619–622. [in French]

Muradian Z (1980) On some species belonging to the genus *Campylaspis* (Cumacea, Nan-nastacidae) from the collections of the Natural History Museum “Grigore Antipa”. *Travaux Museum d’Histoire Naturelle “Grigore Antipa”* 21: 73–88.

Lipson SM, Kaplan MH, Simon JK, Ciamician Z, Tseng LF (1992) Improved detection of cytomegalovirus viremia in AIDS patients using shell vial indirect immunoperoxidase methodologies. *Journal Medical Virology* 38: 36–41.

Lipson SM, Ciamician Z, Kaplan MH (1994) Comparison of cytomegalovirus antigenemia assay with shell vial-indirect immunofluorescence assay for rapid detection of cytomegalovirus in blood. *Journal of Clinical Microbiology* 32(6): 1619–1620.

LIST OF DESCRIBED TAXA

Order CUMACEA

Genera

1. *Atlantocuma* Băcescu & Muradian, 1974
2. *Campylaspenis* Băcescu & Muradian, 1974
3. *Cubanocuma* Băcescu & Muradian, 1977
4. *Floridocuma* Băcescu & Muradian, 1974
5. *Fontainella* Băcescu & Muradian, 1978
6. *Styloptocuma* Băcescu & Muradian, 1974

Subgenera

1. *Bacescua* Muradian, 1979
2. *Sarsia* Muradian, 1979

Species

1. *Campylaspis bonetti* Băcescu & Muradian, 1972
2. *Campylaspis jonesi* Băcescu & Muradian, 1972
3. *Campylaspis mauritanica* Băcescu & Muradian, 1972
4. *Cumella africana* Băcescu & Muradian, 1972
5. *Makrokylindrus (Coalescuma) reyssi* Băcescu & Muradian, 1972
6. *Procampylaspis argуни* Băcescu & Muradian, 1972
7. *Procampylaspis thalassae* Băcescu & Muradian, 1972
8. *Procampylaspis maurini* Băcescu & Muradian, 1972
9. *Schizotrema atlanticum* Băcescu & Muradian, 1972
10. *Campylaspenis rowei* Băcescu & Muradian, 1974
11. *Styloptocuma antipai* Băcescu & Muradian, 1974
12. *Floridocuma selvakumarani* Băcescu & Muradian, 1974
13. *Cumellopsis estaaficana* (Băcescu & Muradian, 1974)
14. *Cimmerius costlowi* Băcescu & Muradian, 1974
15. *Bodotria alata* Băcescu & Muradian, 1975

16. *Cyclaspis marisrubri* Băcescu & Muradian, 1975
17. *Nannastacus parvulus* (Paulson, 1875) neotip
18. *Scherocumella gurneyi* (Calman, 1927) neotip
19. *Cumella forficuloides* Băcescu & Muradian, 1975
20. *Cumella limicoloides* Băcescu & Muradian, 1975
21. *Cumella schiekei* Băcescu & Muradian, 1975
22. *Campylaspis akabensis* Băcescu & Muradian, 1975
23. *Cyclaspis iphinoides* Băcescu & Muradian, 1975
24. *Campylaspis alveolata* Muradian, 1976
25. *Bathylamprops motasi* Băcescu & Muradian, 1976
26. *Cubanocuma gutzui* Băcescu & Muradian, 1977
27. *Cumella garrityi* Băcescu & Muradian, 1977
28. *Cumella gomoiui* Băcescu & Muradian, 1977
29. *Fontainella mediterranea* Băcescu & Muradian, 1978
30. *Cumellopsis bacescui* Muradian, 1979
31. *Campylaspis menziesi* Muradian, 1979
32. *Campylaspis heardi* Muradian-Ciamician, 1980

Subspecies

1. *Campylaspis legendrei africana* Băcescu & Muradian, 1972
2. *Nannastacus gibbosus estafricanus* Băcescu & Muradian, 1975
3. *Nannastacus pectinatus occidentalis* Băcescu & Muradian, 1975

Species dedicated to Zarui Muradian

Order Cumacea

1. *Eocuma muradianae* Petrescu, 1998
2. *Bacescella muradianae* Petrescu, 2000
3. *Procampylaspis muradianae* Petrescu, 2001